

Mini-Beam 2' x 2' Recessed Fluorescent **MBS2GPW224**

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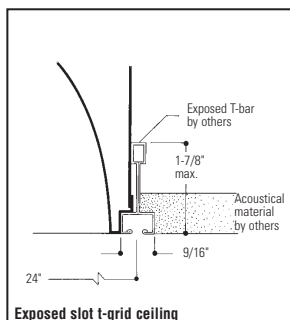
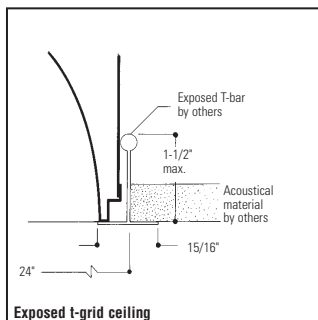
Direct/Indirect, Static, 2 Lamp, Linear T5, 24 Watt

Features

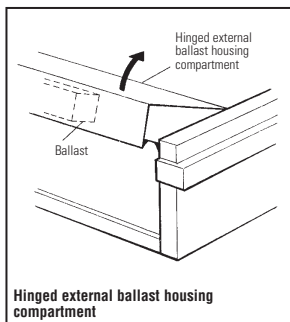
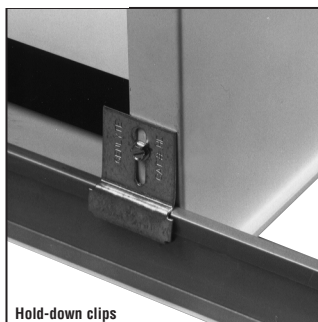
- Direct/indirect lamp shield appearance with soft contoured interior.
- Four inch wide perforated mesh lamp shield with white acrylic overlay.
- 62.3% efficient.
- Only 5-1/2" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield hinges from either side.
- Hinged external ballast housing compartment.
- Can be continuous row mounted.
- Wiring access plate standard.
- 4 hold-down clips standard.
- Housing is 20 gauge steel, meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.



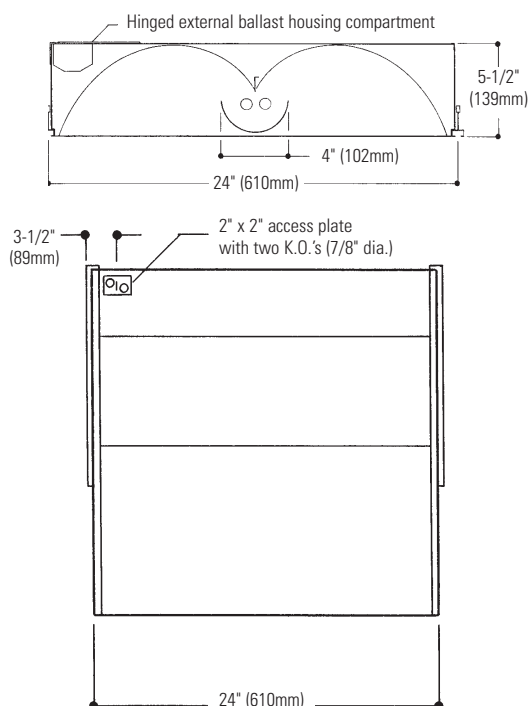
Mounting Methods



Features



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte Thomas Company www.lightolier.com
 Technical Information: (978) 657-7600 • Fax (978) 658-0595
 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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LIGHTOLIER®

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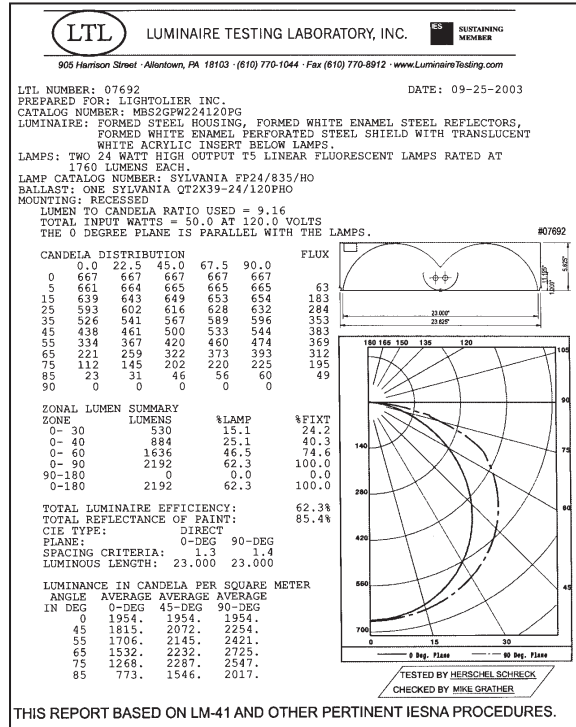
Direct/Indirect, Static, 2 Lamp, Linear T5, 24 Watt

Photometry

Model No. MBS2GPW224120PG

LER = FL - 41.9 IW - 52.0 BF - 1.00

Comparative yearly lighting energy cost per 1000 lumens = \$5.72



coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

	RF	20			20			20		
	RC	80			50			30		
	RW	70	50	30	50	30	10	50	30	10
room cavity ratio	1	68	65	62	61	59	57	58	57	55
	2	62	56	52	53	50	47	51	48	46
	3	56	50	44	47	43	39	45	42	39
	4	51	44	38	41	37	33	40	36	33
	5	47	38	33	36	32	28	35	31	28
	6	43	34	29	32	28	24	31	27	24
	7	39	31	25	29	24	21	28	24	21
	8	36	27	22	26	21	18	25	21	18
	9	33	25	19	23	19	15	23	18	15
	10	31	22	17	21	17	14	21	16	13

visual comfort probability

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	64	71	82	91	54	62	76	88
20	30	60	64	72	81	47	52	60	73
20	40	59	62	67	73	45	48	53	61
20	60	59	61	64	69	43	46	48	54
30	20	62	69	79	88	56	63	75	86
30	30	58	62	68	77	49	53	59	71
30	40	57	59	63	69	46	48	52	59
30	60	57	58	60	65	44	46	47	51
30	80	57	59	59	63	43	45	45	49
40	20	63	69	77	86	59	65	75	85
40	30	59	61	67	75	52	55	60	71
40	40	57	59	61	67	48	50	52	58
40	60	57	57	58	62	45	47	47	51
40	80	57	58	57	61	45	46	44	48
40	100	58	58	57	60	45	45	44	46
60	30	59	62	66	73	54	57	61	70
60	40	58	59	60	65	50	52	53	59
60	60	57	57	57	60	47	48	47	51
60	80	57	57	56	58	46	46	45	47
60	100	58	58	56	58	46	46	43	45
100	40	60	61	61	66	56	56	56	61
100	60	59	59	57	60	52	52	50	53
100	80	59	58	56	58	50	50	47	49
100	100	60	59	56	57	49	49	46	47

Ordering Information

Explanation of Catalog Number. Example: MBS2GPW224120PGGLR

MB
Mini-Beam
Direct/Indirect
Recessed
with Perforated
Mesh Shield

S
Body Style:
S = Static

2
Fixture
Width

G
Ceiling Type:
Fits both
Standard Grid
and Slot Grid

P
Perforated
Lamp Shield

W
White
Reflector

2
Lamp
Quantity

24
Lamp Quantity:
(By others)
24 = HO/T5 24 Watt

Voltage:
120 or 277

Options:
Add appropriate
suffix to catalog
no, ie: (GLR)

MN
For Local 3
Manufacturing

For Local 3 Manufacturing, substitute **MN** for **MB**. Example: MNS2GPW224120PGGLR

Options/Accessories

Fusing: Internal fast-blow fusing. Suffix: **GLR**.

Internal slow-blow fusing. Suffix: **GMF**.

Electrical/Wiring Options: Consult factory.

Specifications

Performance: In an installation of 2 lamp 24W luminaires in a room cavity of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .65. To reduce glare the average brightness at 65° shall not exceed 2725 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 75.8%.

Materials: Housing is die-formed 20 gauge steel.

Finish: Chassis exterior—baked white acrylic enamel. **Reflector**—baked flat white acrylic enamel, minimum 86% reflectance. Phosphate undercoating.

Lamp Shield—baked flat white acrylic enamel.

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

Labels: I.B.E.W./UL and ULc Listed.

Job Information

Type:

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